

PRINTED CIRCUIT LINEAR MOTOR

ABSTRACT OF THE DISCLOSURE

A linear motor includes an armature having a plurality of side-by-side electrically conductive coils formed on an electrically and magnetically nonconductive substrate with adjacent coils electrically isolated from each other. Each coil includes a plurality of electrically conductive windings positioned coaxially and electrically connected so that in response to an electrical current flowing therethrough each winding produces a magnetic field having the same polarity. Each electrically conductive winding of each coil is preferably formed on a layer and a plurality of layers is laminated together to form the substrate.

09877644-060001